

Application No.: 09/417,251

Docket No.: BB1085USNA (7560*25)

IN THE CLAIMS:

This listing replaces all previous versions of the claims.

1-15. (cancelled)

1. 16. (currently amended) An isolated polynucleotide comprising:
(a) a nucleotide sequence encoding a polypeptide having disulfide isomerase activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10 have at least 85% 90% identity, or
(b) the complement of the nucleotide sequence, wherein the complement and the nucleotide sequence contain the same number of nucleotides and are 100% complementary.

2. 17. (cancelled)

2. 18. (previously added) The polynucleotide of Claim 16 wherein the sequence identity is at least 95%. *Amino acid*

3. 19. (previously amended) The polynucleotide of Claim 16 wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:10.

4. 20. (previously amended) The polynucleotide of Claim 18 wherein the polynucleotide comprises the nucleotide sequence of SEQ ID NO:9.

5. 21. (cancelled)

1. 22. (previously added) A chimeric gene comprising the polynucleotide of Claim 18 operably linked to at least one regulatory sequence.

1. 23. (previously added) A cell comprising the polynucleotide of Claim 18.

6. 24. (previously added) The cell of Claim 23, wherein the cell is selected from the group consisting of a yeast cell, a bacterial cell and a plant cell.

9. 25. (previously added) A transgenic plant comprising the polynucleotide of Claim 16.

10. 26. (previously added) A virus comprising the polynucleotide of Claim 16.

11. 27. (previously added) A method for transforming a cell comprising introducing into a cell the polynucleotide of Claim 16.

12. 28. (previously added) A method for producing a transgenic plant comprising (a) transforming a plant cell with the polynucleotide of Claim 16 and (b) regenerating a plant from the transformed plant cell.

29. (previously added) A method for producing a polynucleotide fragment comprising (a) selecting a nucleotide sequence comprised by the polynucleotide of Claim 16, and (b) synthesizing a polynucleotide fragment containing the nucleotide sequence.

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30. (previously added) The method of Claim 29, wherein the fragment is produced *in vivo*.

31-35. (cancelled)

13 36. (previously added) A vector comprising the polynucleotide of Claim 16.

16 37. (previously added) A seed comprising the chimeric gene of Claim 22.

14 38. (previously added) A method for isolating a polypeptide encoded by the polynucleotide of Claim 16 comprising isolating the polypeptide from a cell transformed with said polynucleotide.